

**TO: Suborbital Science Program
NASA Headquarters
Mail Suite 3F71
Attn: Randy Albertson**

**FAX: (202) 358-2770
Voice: (202) 358-7212**

Flight Report

Aircraft :	Kenn Borek Air DC-3T Basler
Operating Site(s) From / To :	NZIR/NZIR
Flight Date :	November 3, 2009 (NZDT)
Flight Number / Data Flight # :	F03 / -
Time out:	0154 UTC
Time in:	0546 UTC
Flight Time :	3.8 hrs
Flt Request # / PI:	NASA 20090602-084128 (Blankenship)
Purpose of Flight :	Data [] Ferry [] Functional Check [X] Other []
Sensor Payload :	University of Texas at Austin HiCARS ice penetrating radar; National Geospatial-Intelligence Agency BGM-3 gravity meter; UT Reigl LD-90 laser distance meter; UT Geometrics 823-A magnetometer
Comments :	The aircraft flew the third test flight in its NERC/NSF ICECAP configuration from McMurdo's sea ice runway. The radar hardware, laser altimeter (non-scanning) and potential fields instruments were tested after extensive ground tests. The flight used a well run test track over Black Island and the Ross Ice Shelf. The laser and potential fields instruments performed flawlessly. After a loose cable was identified and fixed, the radar also performed flawlessly. The aircraft is now ready for survey flights.

SUBMITTED BY: Duncan Young 10 November 2009